Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1500813

Luminaire Tested: GSS-SB5A-840-U-T4LG

Issue Date: 07/20/2026

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1500813
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-840-U-T4LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 80CRI 4000K FIXTURE w/ TYPE IV LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20862.3 lumens
Efficiency:	N/A
Efficacy:	145.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G2

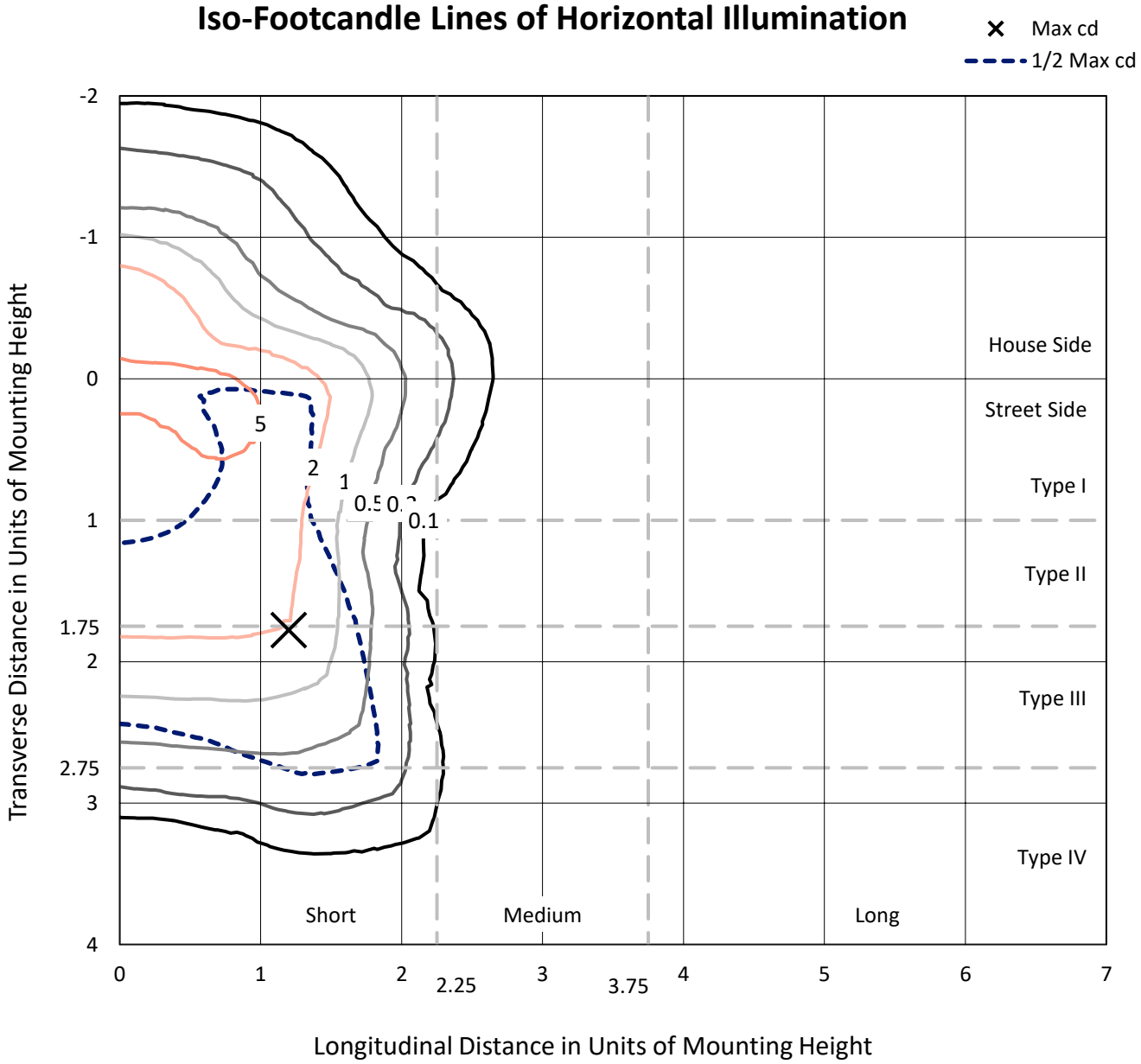
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P1500813
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Iso-Footcandle Lines of Horizontal Illumination



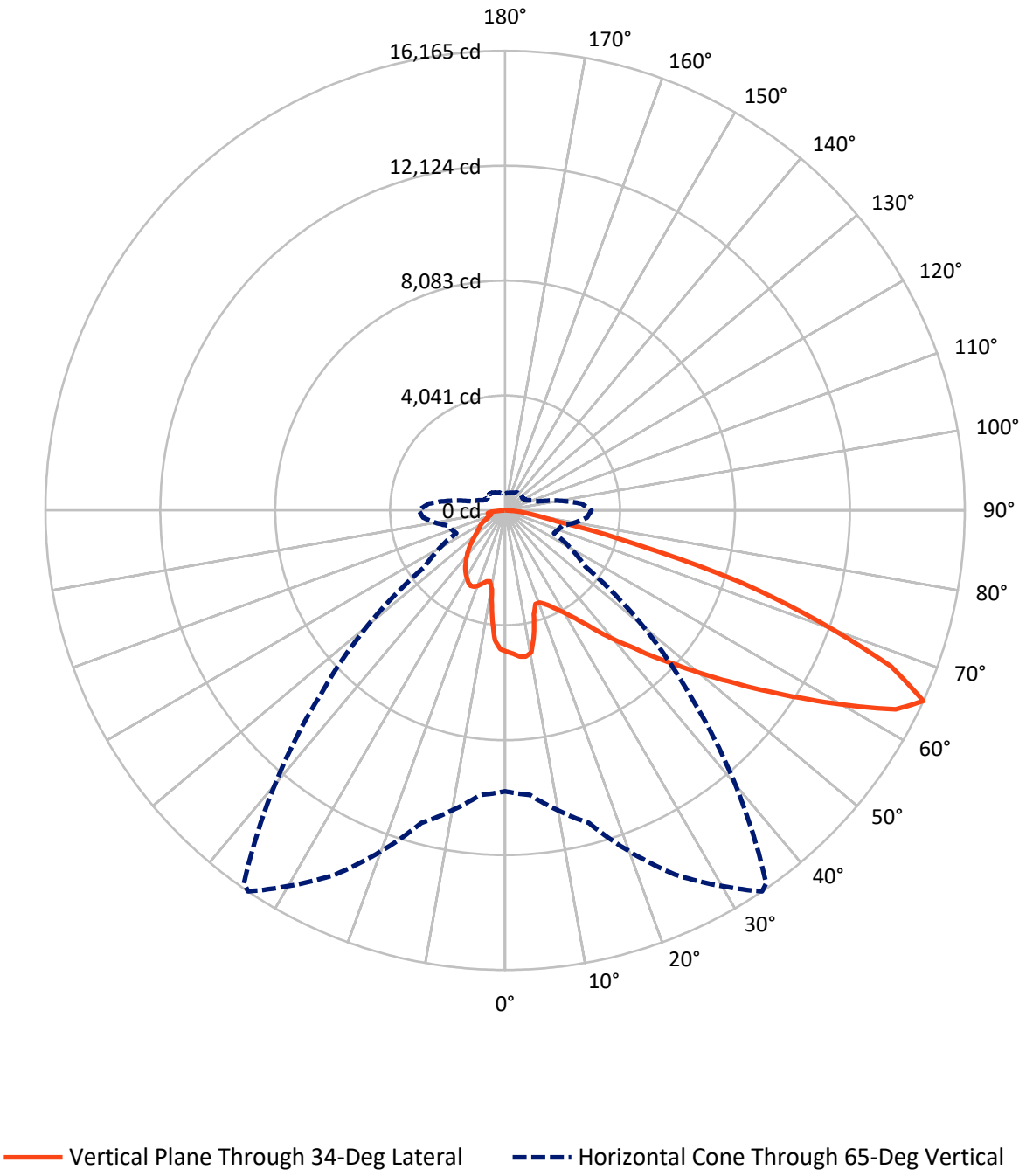
Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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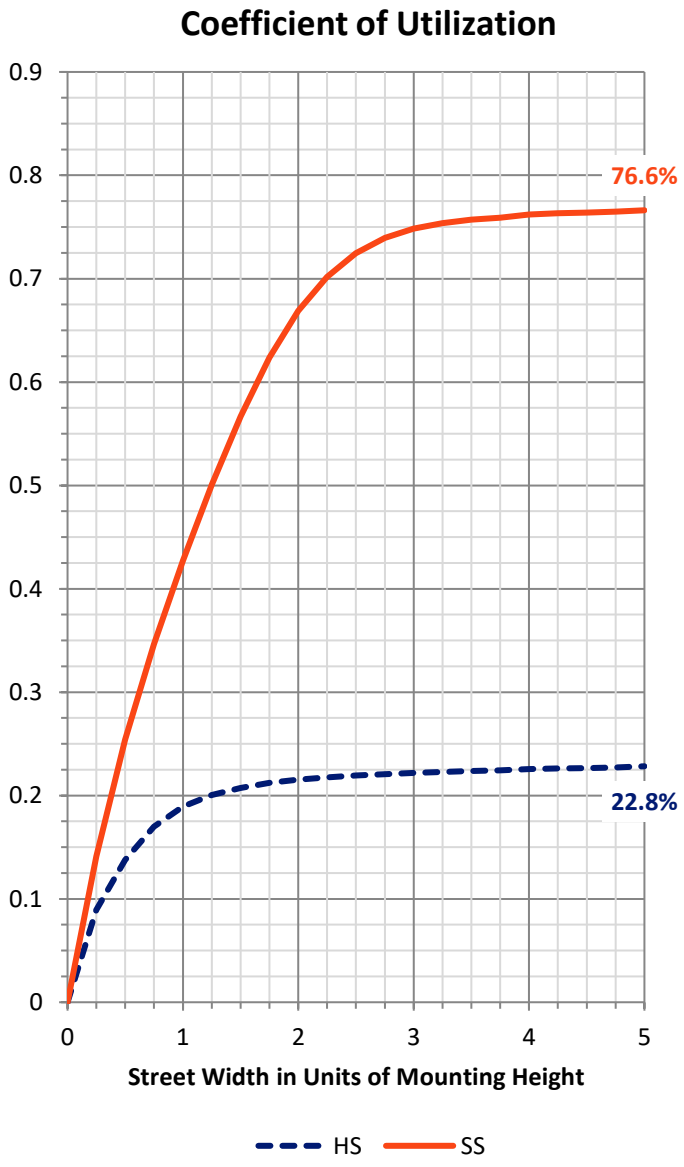
REPORT NUMBER: P1500813
CATALOG NUMBER: GSS-SB5A-840-U-T4LG

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4853.7	0.0	4853.7
	% Fixture	23.3	0.0	23.3
Street Side	Lumens	16008.6	0.0	16008.6
	% Fixture	76.7	0.0	76.7
Total	Lumens	20862.3	0.0	20862.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.1	2.1
10°-20°	1125.4	5.4
20°-30°	1865.5	8.9
30°-40°	2805.7	13.4
40°-50°	3930.7	18.8
50°-60°	4955.9	23.8
60°-70°	4262.5	20.4
70°-80°	1267.3	6.1
80°-90°	202.2	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	20862.3	100.0
0°-180°	20862.3	100.0



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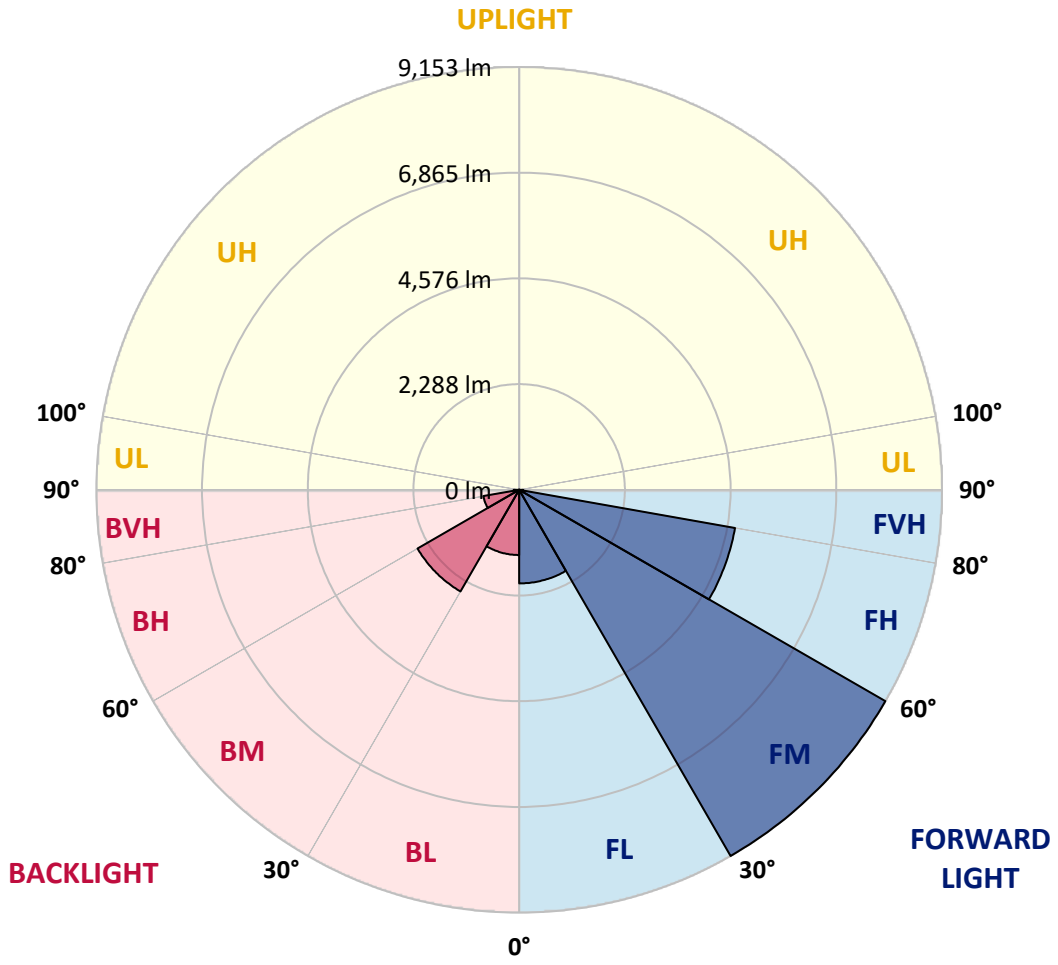
Scaled Data Report

REPORT NUMBER: P1500813
CATALOG NUMBER: GSS-SB5A-840-U-T4LG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2025.9	9.7			
FM	(30°-60°)	9152.9	43.9			
FH	(60°-80°)	4744.2	22.7			G2/5000
FVH	(80°-90°)	85.5	0.4			G1/100
BL	(0°-30°)	1412.2	6.8	B3/2500		
BM	(30°-60°)	2539.3	12.2	B3/5000		
BH	(60°-80°)	785.5	3.8	B2/1000		G2/1000
BVH	(80°-90°)	116.6	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	4960.1	4960.1	4960.1	4960.1	*4960.1*	4960.1	4960.1	4960.1	4960.1	4960.1	4960.1
2.5°	5054.6	5082.9	5049.9	5035.7	*5040.4*	5045.1	5021.5	5026.2	4997.9	4997.9	4974.3
5°	5163.2	5168.0	5149.1	5163.2	*5158.5*	5153.8	5153.8	5149.1	5087.6	5073.5	5049.9
7.5°	5101.8	5120.7	5130.2	5182.1	*5196.3*	5224.6	5243.5	5253.0	5205.7	5168.0	5106.5
10°	4539.7	4553.8	4662.5	4898.7	*5078.2*	5111.3	5286.1	5385.3	5352.2	5333.3	5229.4
12.5°	3628.0	3651.6	3774.4	4081.5	*4501.9*	4591.6	5149.1	5484.5	5560.0	5564.8	5413.6
15°	3235.9	3235.9	3273.7	3448.5	*3788.6*	3859.4	4681.4	5512.8	5782.1	5815.1	5630.9
17.5°	3155.6	3150.8	3174.5	3278.4	*3457.9*	3500.4	4142.9	5366.4	6046.6	6103.3	5867.1
20°	3150.8	3136.7	3183.9	3302.0	*3457.9*	3495.7	3892.5	5111.3	6254.5	6434.0	6103.3
22.5°	3155.6	3155.6	3221.7	3391.8	*3571.3*	3604.3	3939.7	4898.7	6424.5	6778.8	6353.7
25°	3207.5	3198.1	3292.6	3500.4	*3746.1*	3769.7	4133.4	4889.2	6571.0	7166.2	6656.0
27.5°	3292.6	3297.3	3424.8	3675.2	*3953.9*	4001.1	4402.7	5092.4	6750.5	7591.3	6948.9
30°	3472.1	3476.8	3628.0	3883.1	*4204.3*	4265.7	4714.5	5394.7	7005.6	8049.5	7265.4
32.5°	3675.2	3698.8	3883.1	4180.7	*4525.5*	4558.6	5097.1	5848.2	7388.2	8507.8	7605.5
35°	4015.3	4038.9	4246.8	4558.6	*4941.2*	4988.4	5564.8	6372.6	7855.9	8970.7	7870.0
37.5°	4454.6	4473.5	4676.7	5054.6	*5460.8*	5508.1	6084.4	6930.0	8328.2	9339.2	8106.2
40°	4979.0	5021.5	5238.8	5607.3	*6018.3*	6046.6	6651.3	7468.5	8838.4	9594.3	8200.7
42.5°	5550.6	5593.1	5815.1	6221.4	*6599.3*	6684.3	7265.4	8040.1	9254.1	9707.6	8125.1
45°	6282.8	6273.3	6481.2	6906.4	*7350.4*	7383.5	7922.0	8512.5	9504.5	9613.2	8049.5
47.5°	7170.9	7180.3	7312.6	7657.5	*8115.7*	8191.3	8607.0	8918.7	9650.9	9537.6	7964.5
50°	8172.4	8196.0	8309.4	8559.7	*9051.0*	9103.0	9225.8	9202.2	9740.7	9377.0	7997.6
52.5°	9173.8	9188.0	9339.2	9603.7	*10080.8*	10118.6	9849.3	9419.5	9405.3	8729.8	7926.7
55°	9995.8	9991.1	10260.3	10666.6	*11247.6*	11224.0	10463.5	9254.1	8356.6	7723.6	7610.2
57.5°	10709.1	10737.4	11087.0	11790.9	*12523.1*	12504.2	11120.1	8380.2	6826.0	6533.2	7095.3
60°	11351.5	11417.7	12074.3	13127.7	*13935.5*	13822.2	11238.2	7062.2	5309.7	5116.0	6074.9
62.5°	11072.8	11195.7	12249.1	14304.0	*15414.1*	15163.7	10510.7	5470.3	3594.9	3420.1	4294.0
65°	*9882.4*	*10047.7*	*11384.6*	*14133.9*	*16165.2*	*16009.3*	*9188.0*	*3439.0*	*1894.3*	*2078.5*	*2891.0*
67.5°	8299.9	8498.3	9943.8	12697.9	*14625.2*	14289.8	7137.8	1809.3	883.4	1369.9	1795.1
70°	4549.1	5040.4	7189.8	10798.9	*11715.3*	11247.6	4128.7	855.0	642.5	855.0	1072.3
72.5°	1710.1	1828.2	3117.8	7260.6	*8677.8*	8101.5	1568.3	552.7	538.5	633.0	774.7
75°	822.0	878.6	1355.8	3302.0	*4738.1*	4416.9	770.0	411.0	462.9	496.0	562.1
77.5°	491.3	529.1	845.6	1917.9	*1865.9*	1714.8	472.4	316.5	373.2	354.3	330.7
80°	292.9	325.9	514.9	1091.2	*1124.3*	996.7	288.2	222.0	259.8	226.7	203.1
82.5°	170.1	184.2	269.3	491.3	*713.3*	656.6	165.3	132.3	189.0	151.2	113.4
85°	85.0	89.8	122.8	212.6	*354.3*	269.3	70.9	61.4	89.8	66.1	37.8
87.5°	18.9	18.9	18.9	23.6	*33.1*	33.1	9.4	4.7	4.7	4.7	4.7
90°	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report

REPORT NUMBER: P1500813
CATALOG NUMBER: GSS-SB5A-840-U-T4LG

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4960.1	4960.1	4960.1	4960.1	4960.1	4960.1	4960.1	4960.1	4960.1	4960.1	4960.1
2.5°	4969.5	4979.0	4945.9	4908.1	4898.7	4870.3	4879.8	4860.9	4832.6	4837.3	4842.0
5°	5016.8	4997.9	4931.8	4846.7	4771.1	4686.1	4586.9	4473.5	4393.2	4360.2	4388.5
7.5°	5059.3	5040.4	4927.0	4738.1	4483.0	4128.7	3760.2	3424.8	3193.4	3108.3	3127.2
10°	5177.4	5101.8	4894.0	4483.0	3873.6	3202.8	2829.6	2621.8	2550.9	2513.1	2517.8
12.5°	5333.3	5229.4	4832.6	4038.9	3117.8	2692.6	2560.4	2513.1	2489.5	2480.1	2489.5
15°	5522.2	5361.6	4686.1	3481.5	2768.2	2602.9	2574.5	2579.3	2579.3	2584.0	2584.0
17.5°	5687.6	5437.2	4421.6	3080.0	2697.4	2650.1	2678.5	2702.1	2702.1	2706.8	2702.1
20°	5838.7	5475.0	4081.5	2909.9	2711.5	2735.1	2801.3	2824.9	2829.6	2824.9	2824.9
22.5°	5999.4	5498.6	3741.3	2815.4	2744.6	2815.4	2886.3	2919.4	2928.8	2933.5	2938.3
25°	6155.3	5451.4	3462.6	2739.9	2730.4	2829.6	2909.9	2952.4	2961.9	2961.9	2966.6
27.5°	6311.1	5437.2	3273.7	2640.7	2664.3	2744.6	2839.1	2895.8	2933.5	2938.3	2943.0
30°	6490.6	5394.7	3094.2	2508.4	2517.8	2617.0	2716.2	2815.4	2891.0	2924.1	2924.1
32.5°	6613.5	5352.2	2933.5	2366.7	2366.7	2470.6	2593.4	2716.2	2824.9	2891.0	2905.2
35°	6731.6	5314.4	2791.8	2225.0	2229.7	2328.9	2456.4	2588.7	2725.7	2806.0	2843.8
37.5°	6793.0	5276.6	2692.6	2116.3	2097.4	2201.3	2286.4	2395.0	2541.5	2673.7	2706.8
40°	6807.1	5276.6	2683.2	2040.7	1960.4	2078.5	2116.3	2191.9	2324.2	2465.9	2517.8
42.5°	6712.7	5224.6	2730.4	1993.5	1818.7	1903.7	1946.2	1984.0	2069.1	2187.2	2229.7
45°	6599.3	5153.8	2772.9	1927.4	1643.9	1710.1	1776.2	1780.9	1818.7	1847.0	1875.4
47.5°	6504.8	5078.2	2697.4	1804.5	1464.4	1511.7	1582.5	1582.5	1563.6	1506.9	1488.0
50°	6580.4	5101.8	2569.8	1629.7	1299.1	1332.1	1407.7	1365.2	1322.7	1204.6	1190.4
52.5°	6646.5	5191.6	2418.6	1459.7	1157.4	1190.4	1266.0	1199.9	1114.8	1020.4	1006.2
55°	6537.9	5196.3	2139.9	1270.7	1058.2	1086.5	1157.4	1077.1	996.7	940.1	930.6
57.5°	6211.9	5054.6	1847.0	1124.3	973.1	1001.5	1067.6	987.3	911.7	907.0	930.6
60°	5493.9	4558.6	1577.8	1029.8	892.8	925.9	992.0	907.0	807.8	765.3	779.4
62.5°	4147.6	3505.1	1351.0	921.2	817.2	859.8	907.0	770.0	685.0	666.1	647.2
65°	*3032.7*	*2692.6*	*1214.0*	*836.1*	*746.4*	*798.3*	*760.5*	*685.0*	*628.3*	*609.4*	*599.9*
67.5°	1960.4	1828.2	1044.0	755.8	680.2	722.8	670.8	633.0	571.6	562.1	576.3
70°	1199.9	1242.4	873.9	666.1	614.1	604.7	614.1	576.3	510.2	524.4	543.2
72.5°	850.3	916.4	751.1	581.0	524.4	505.5	548.0	524.4	477.1	491.3	510.2
75°	609.4	680.2	618.8	477.1	444.0	434.6	510.2	524.4	491.3	500.7	514.9
77.5°	359.0	434.6	439.3	368.5	335.4	387.4	543.2	604.7	581.0	552.7	538.5
80°	231.5	259.8	311.8	236.2	236.2	335.4	595.2	736.9	633.0	562.1	552.7
82.5°	118.1	137.0	203.1	151.2	141.7	250.4	585.8	703.9	699.1	623.6	609.4
85°	33.1	42.5	94.5	66.1	56.7	132.3	439.3	529.1	472.4	344.8	349.6
87.5°	4.7	4.7	0.0	0.0	4.7	18.9	52.0	9.4	9.4	9.4	9.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

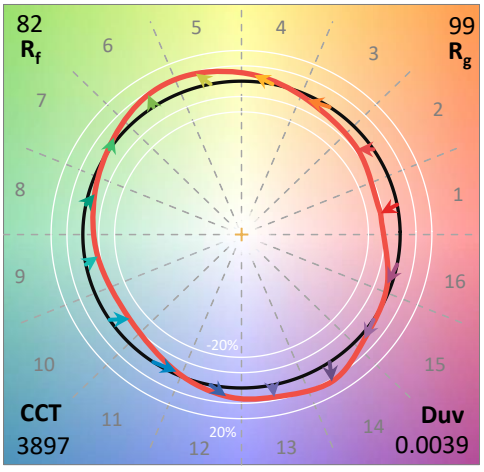
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-11
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-840-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3897
CIE u':	0.2249
CIE v':	0.5084
Duv:	0.0039
CIE x:	0.3882
CIE y:	0.3900
CIE z:	0.2218
Peak Wavelength (nm):	445
Dominant Wavelength (nm):	577
Purity:	33.54925
Rf:	81.8
Rg:	98.6

CRI (Ra):	80.2
R1:	78.9
R2:	83.5
R3:	88.3
R4:	82.1
R5:	78.8
R6:	78.4
R7:	85.8
R8:	65.8
R9:	6.7
R10:	61.9
R11:	81.9
R12:	58.9
R13:	79.2
R14:	93.2
R15:	71.9



Test Conditions

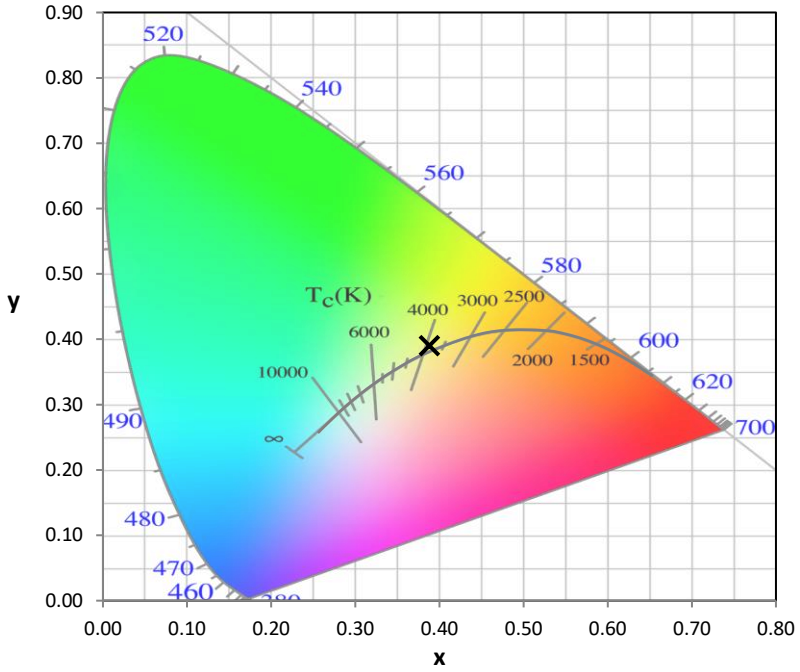
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

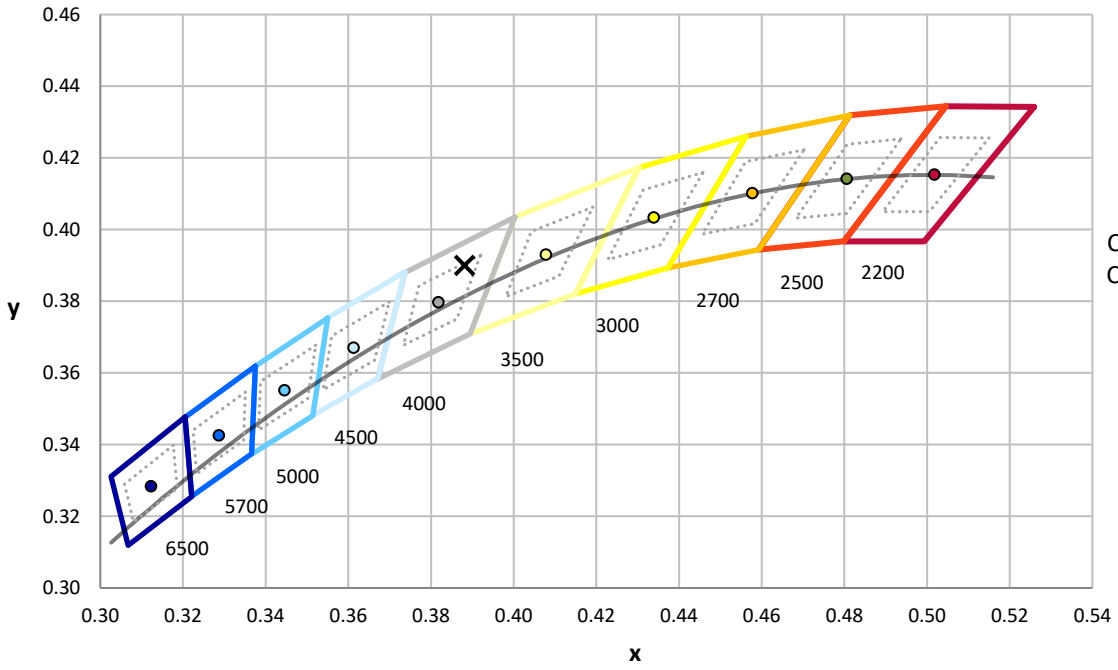
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-184-11

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

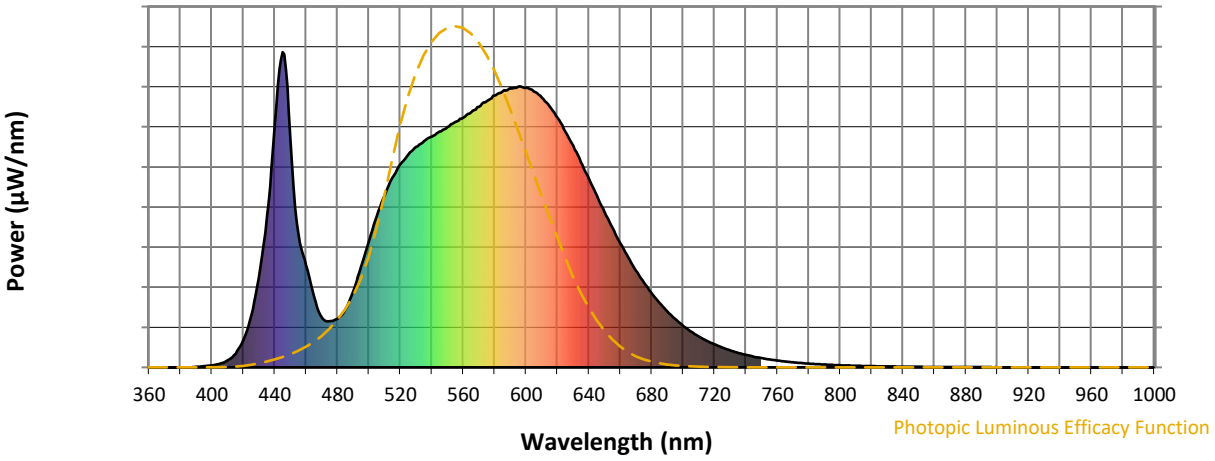


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

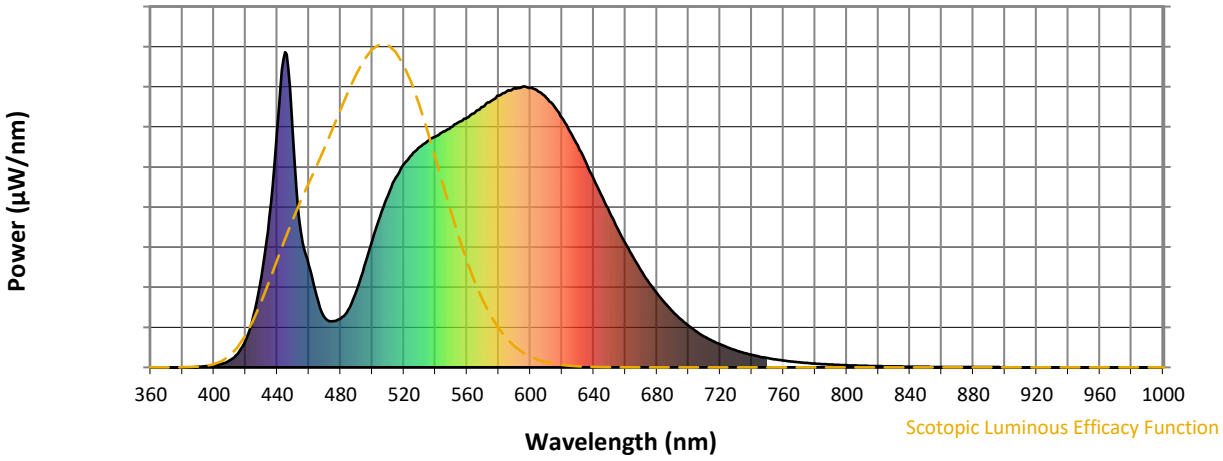


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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Scotopic Flux vs. Wavelength

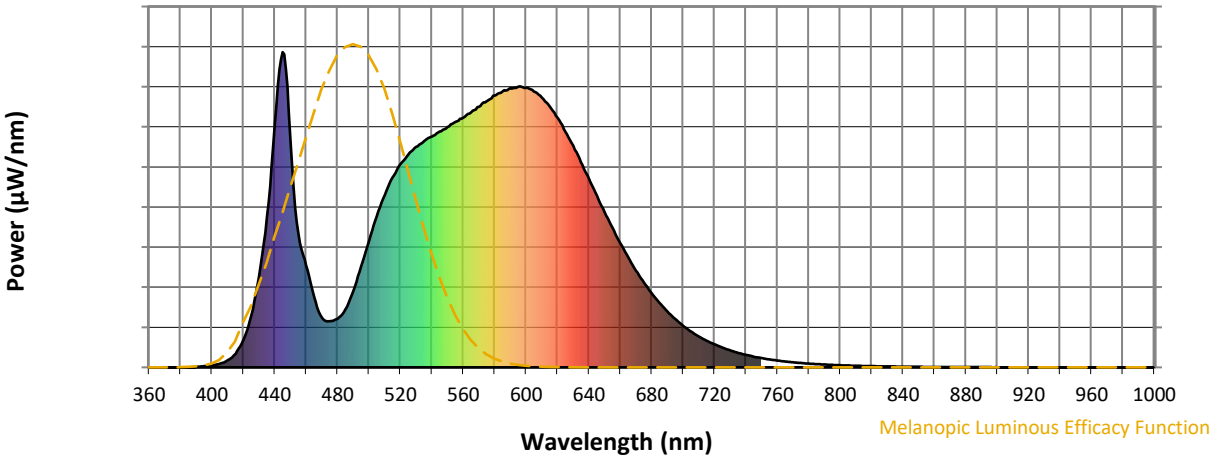


Scotopic Lumens: NR **S/P: 1.57**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.06**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

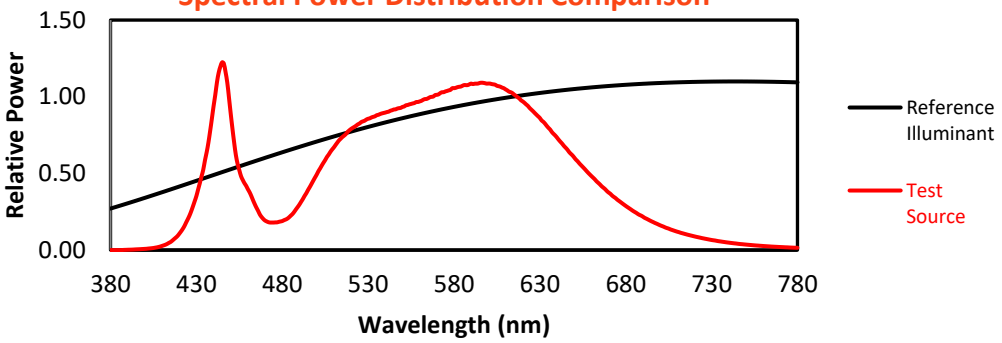
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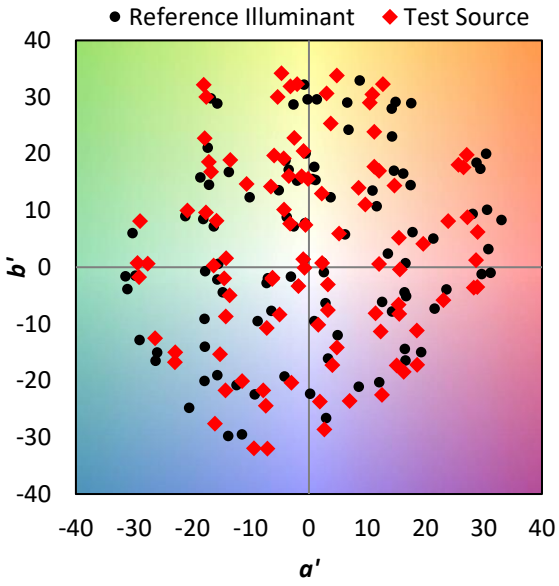
Summary

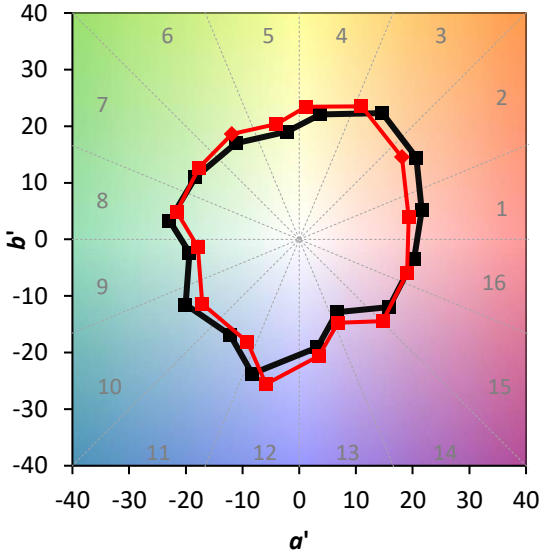
R_f = 81.8
R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

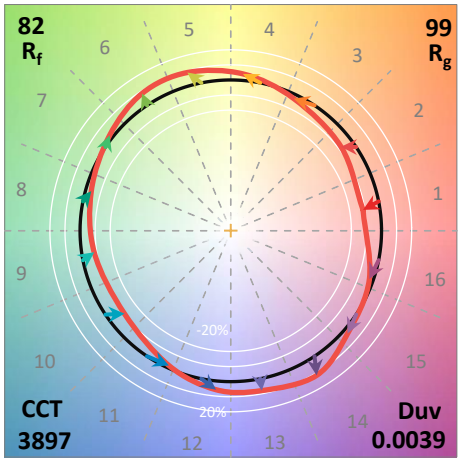
Spectral Power Distribution Comparison

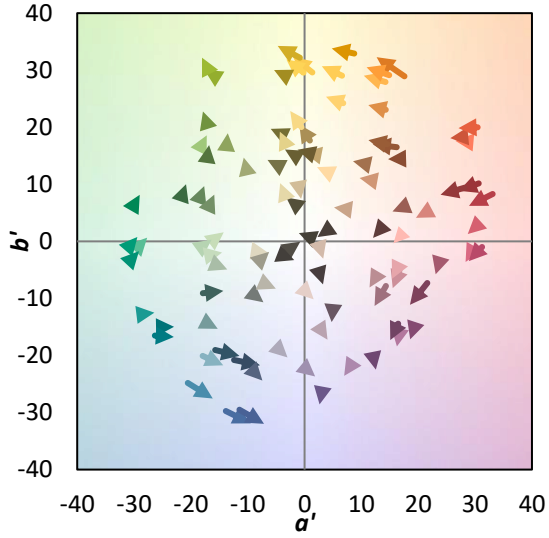


Color Vector Graphics







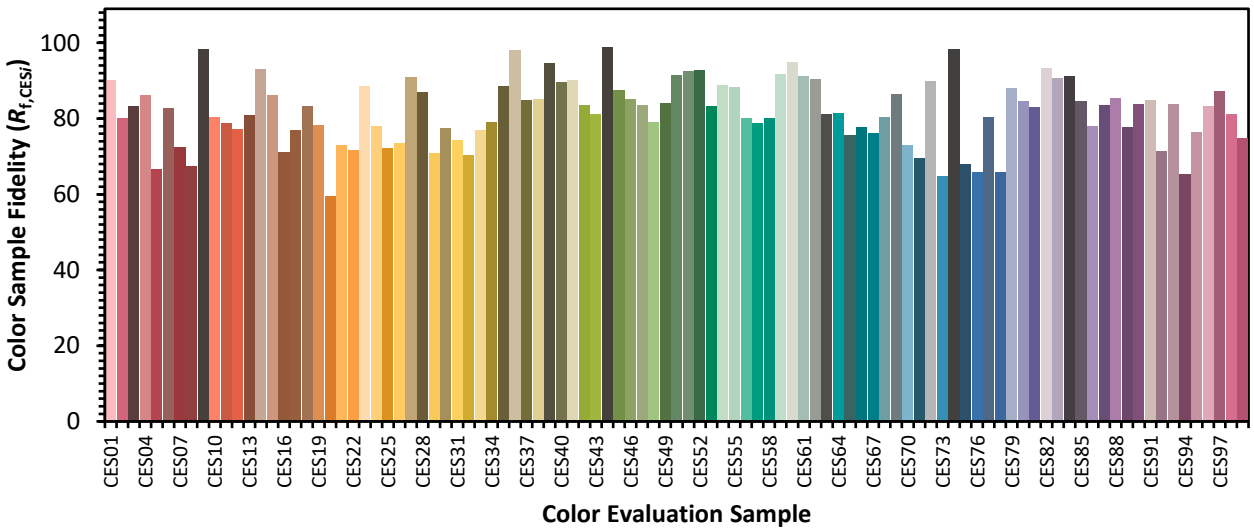


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Individual Sample Fidelity Index ($R_{f,i}$)

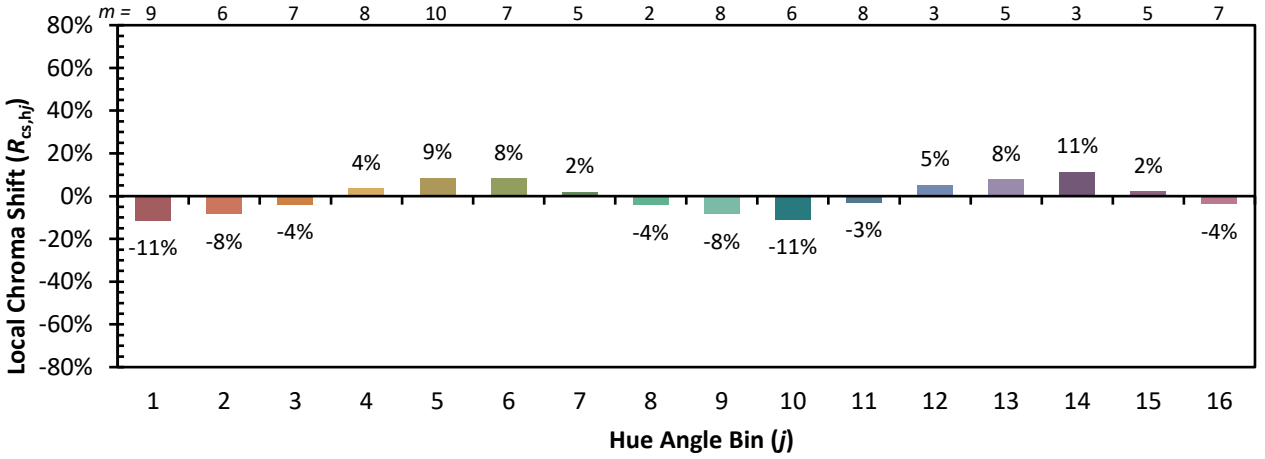
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	

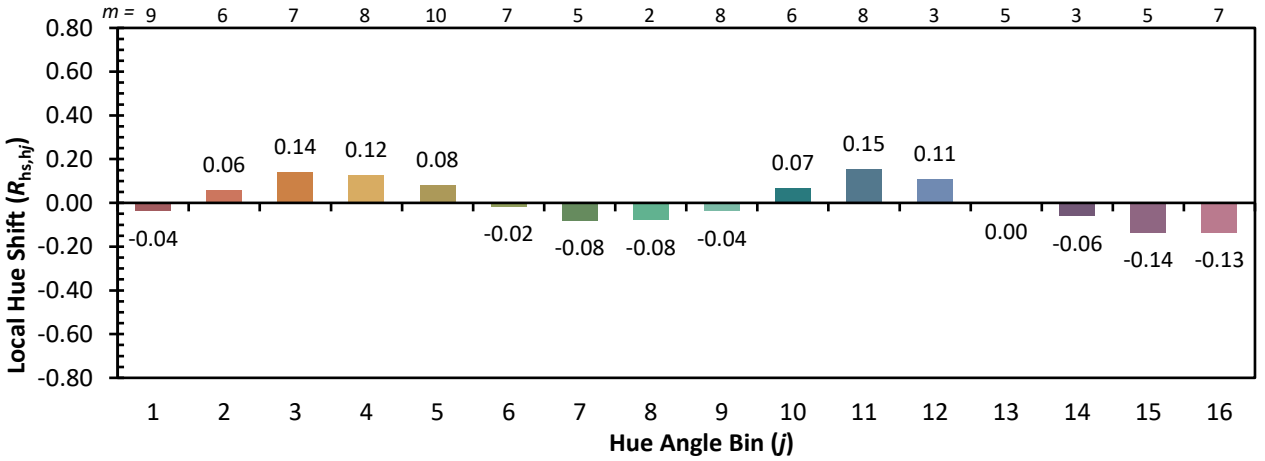


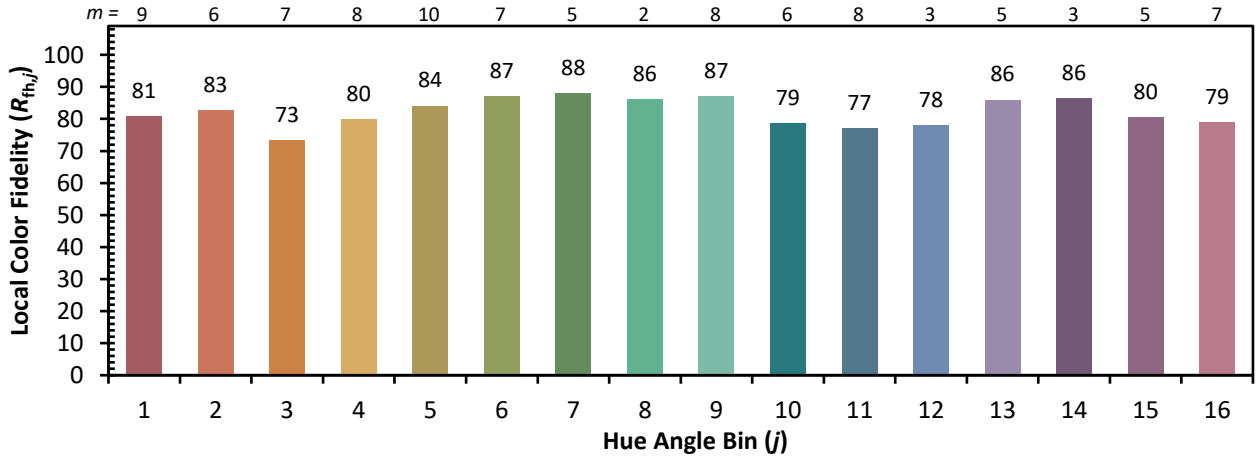
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Color Rendition by Hue-Angle Bin



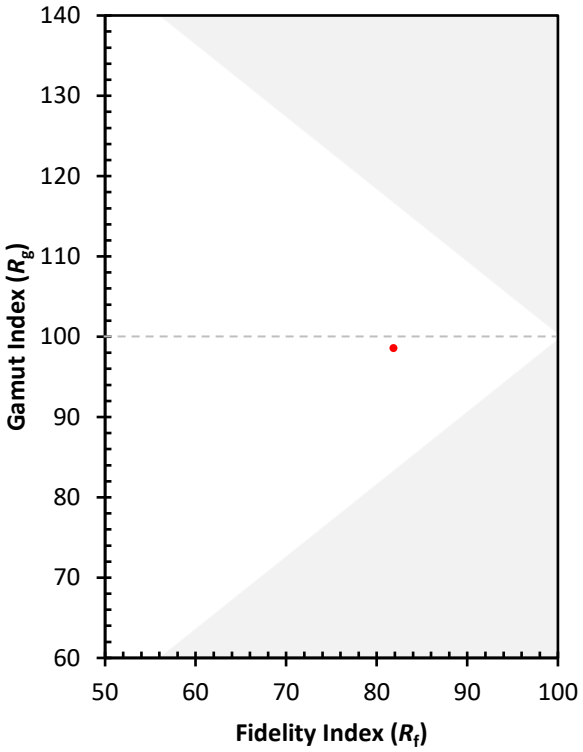


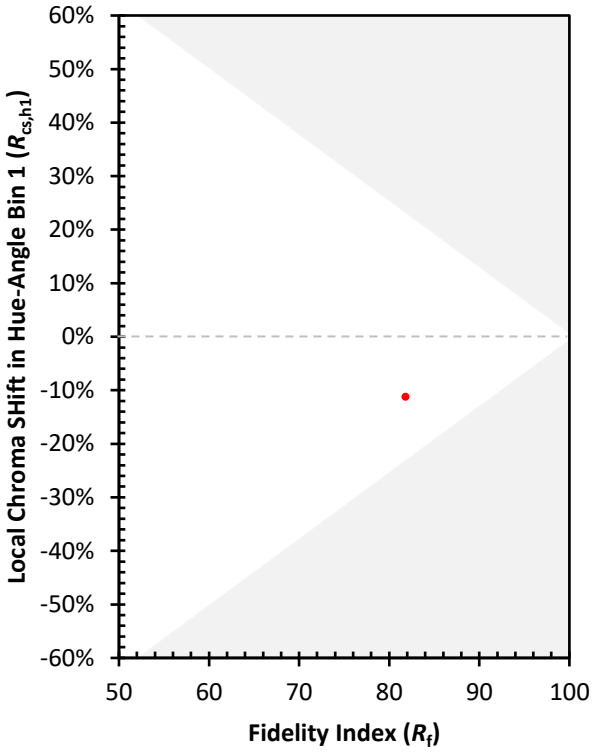


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Measure Comparisons





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